

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Tsuyoshi ONUMA et al.

Application No.: 10/725,421

Filed: December 3, 2003

Docket No.: 117940

For: MAGNETIC RECORDING MEDIUM AND MAGNETIC STORAGE APPARATUS
USING THE SAMEINFORMATION DISCLOSURE STATEMENTCommissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
2. Relevance of the references Nos. 3, 8 and 10-11 is discussed in the present specification.
3. English-language Abstracts of the non-English language references 1-9 are attached hereto.
4. A computer-generated English translation of the following Japanese Patent Publication has been obtained from the website of the Japanese Patent Office (<http://www.jpo.go.jp>), and is attached, but has not been reviewed for accuracy. See References 2-9.

Respectfully submitted,


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Date: March 4, 2004

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Form PTO-14 (REV. 8-83) US Dept. of Commerce PATENT & TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY DOCKET NO. 117940	APPLICATION NO. 10/725,421
	APPLICANTS Tsuyoshi ONUMA et al.	
	FILING DATE December 3, 2003	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
1 JP A 1-251356 (with abstract) ✓	10/06/1989	Japan		
2 JP A 2002-25030 (with abstract and translation) ✓	01/25/2002	Japan		
3 JP A 8-30951 (with abstract and translation) ✓	02/02/1996	Japan		
4 JP A 2001-155329 (with abstract and translation) ✓	06/08/2001	Japan		
5 JP A 2002-358627 (with abstract and translation) ✓	12/13/2002	Japan		
6 JP A 2002-352409 (with abstract and translation) ✓	12/06/2002	Japan		
7 JP A 2002-352408 (with abstract and translation) ✓	12/06/2002	Japan		
8 JP A 2002-25032 (with abstract and translation) ✓	01/25/2002	Japan		
9 JP A 2003-123245 (with abstract and translation) ✓	04/25/2003	Japan		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

10	Kubota et al., "Effect of non-magnetic interlayer thickness in CoX/Pd multilayer perpendicular media", Poster Session, Monday, January 7, 2002, pp MP-05
11	Maesaka et al., "Effect of B and O addition to Co/Pd multilayers on microstructure", 2000, pp 276

EXAMINER	DATE CONSIDERED
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Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.